	Application No.	Applicant(s)	
Motion of Allowahility	10/662,204	NGYUEN ET AL.	
Notice of Allowability	Examiner	Art Unit	-
	James Cho	2819	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to the application filed 9.	<u>-12-2003</u> .		
2. The allowed claim(s) is/are <u>1-34</u> .			
3. \boxtimes The drawings filed on <u>12 September 2003</u> are accepted by	the Examiner.		
 Acknowledgment is made of a claim for foreign priority una)	be been received. be been received in Application No		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of ENT of this application.	complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER's reason(s) why the oath or declarate	S AMENDMENT or NOTICE OF tion is deficient.	
 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary (Paper No./Mail Date 8), 7. ☐ Examiner's Amendm	ė	

DETAILED ACTION

Allowable Subject Matter

Claims 1-340 are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: Although Motley et al. (US PAT No. 5,581,197) teaches a method of programming a desired source resistance for a driver stage, one of ordinary skill in the art would not have been motivated to modify the teaching of Motley et al. to further includes, among other things, the specific of an output impedance compensator configured to adjust the impedance of the level shifter in accordance with the impedance adjustment signal and a reference voltage with respect to claims 1 and 34, and the specifics of an output driver comprising a first transistor for configured to provide electro-static discharge protection where the first transistor has a drain coupled to the output port and a gate coupled to an impedance compensator with respect to claim 18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Fifield et al. (US PAT No. 6,577,154) discloses a compensated driver for maintaining constant impedance during data transfer.

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Emnett et al. (US PAT No. 5,576,640) discloses a CMOS driver circuit for fast single-ended bus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Cho whose telephone number is 571-272-1802. The examiner can normally be reached on M-F 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Tokar can be reached on 571-272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

James H. Cho Primary Examiner Art Unit 2819

James & Clio

Date: 1-6-2005